

Date: March 25th, 2010

Title: Elimination part 2

Lesson Objective:

To solve a system of equations by first multiplying and then using the **ELIMINATION** method.

IN: $3x + 3y = 9$
 $x - y = -3$

Quiz today!

$$\begin{aligned}x - y &= 3 \\ 2x + 3y &= 1\end{aligned}$$

$$\begin{aligned}x + y &= 4 \\ 3x + 4y &= 10\end{aligned}$$

$$\begin{aligned}2x + 2y &= -18 \\ 4x - 4y &= -4\end{aligned}$$

$$\begin{aligned}3x + 5y &= -5 \\ 2x - 2y &= 2\end{aligned}$$

$$x - y = 3$$

$$2x + 3y = 1$$

$$x + y = 4$$

$$3x + 4y = 10$$

$$2x + 2y = -18$$

$$4x - 4y = -4$$

$$3x + 5y = -5$$

$$2x - 2y = 2$$

**Are you a
master?**

The sum of two number is 55. Their difference is 5.
Find the two numbers.

The second of two numbers is 4 more than the first.
The sum of the numbers is 24.
Find the two numbers.

The number of calories in a piece of cake is 25 more than three times the calories in a bowl of Jello. The Jello and the cake together have a total of 325 calories.

How many calories in each?

Quiz!

Summary:

The most important thing to remember when solving these word problems is....

Out:

The second of two numbers is 4 more than the first.
The sum of the numbers is 56. Find the numbers.

Homework: Why are there rules in croquet?